**The National Electification Project Workshop on Off-Grid Electrification in Myanmar**

Grand Ball Room, Thingaha Hotel, Nay Pyi Taw

January 28-29, 2015

**Agenda**

| **Wednesday January 28, 2015** | | |
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| **Hour** | **Session** | **Chair** |
| 08:30 | Opening remarks   * H.E. U Tin Ngwe, Deputy Minister, Ministry of Livestock, Fisheries and Rural Development (MLFRD) * Abdoulaye Seck, Country Manager for Myanmar, World Bank Group | |
| **Session #1: Field Evaluations of Existing Off-grid Programs in Myanmar** | | |
| 08:45 | **1-1. The role of off-grid electrification in the National Electrification Project (NEP)**  Dr. Xiaoping Wang, Senior Energy Specialist, the World Bank  **1-2. Government Support for Rural Off-grid Electrification**  U Khant Zaw, Deputy Chief Engineer, DRD  **1-3. Field Evaluations of the Solar Home System Program**  Dr. Chris Greacen, World Bank Consultant  **1-4. Field Evaluations of the Mini-hydro Program**  Mr. Ajith Kumara, World Bank Consultant | Abdoulaye Seck, Country Manager for Myanmar, World Bank Group |
| 11:00 | Coffee/Tea break |  |
| **Session #2: State of Art Off grid Electrification Technologies and Lessons Learned from Other Countries** | | |
| 11:30 | **2-1. State of Art Solar PV Technologies, Business Models and Markets for Electrification**  Mr. Russell Sturm, Head for Clean Energy and Resource Efficiency, International Finance Corporation  **2-2. Bangladeshi Solar Program**  Mr. Nazmul Hapque, Director (Investment) & Head of Advisory, Infrastructure Development Company Limited (IDCOL), Bangladesh | Ms. Carolyn Neufeld,  Principal Project Manager  Energy Asia, KfW Development Bank |
| 12:30 | Lunch |  |
| **Session #2: State of Art Off grid Electrification Technologies Lessons Learned from Other Countries (continued)** | | |
| 13:30 | **2-3. State of Art Minihydro Technologies for Electrification**  Prof. Dr. Arun Kumar, Chair Professor and Chief Scientific Officer, Alternate Hydro Energy Centre, India Institute of Technology Roorkee  **2-4. Nepalese Minihydro Program**  Mr. Ram Prasad Dhital, Executive Director, Alternative Energy Promotion Centre (AEPC), Ministry of Science, Technology and Environment, Nepal | Ms. Carolyn Neufeld,  Principal Project Manager  Energy Asia, KfW Development Bank |
| **Session #3: Private Sector Participation in Provision of Off-grid Electrification Services** | | |
| 14:30 | **3-1.** U Min Paing Oo, Moe Ko San Solar (Hpa An)  **3-2**. U Than Zaw, Mana ging Director, Asia Solar.  **3-3.** U Kyaw Min Tun, Managing Director, SolaRiseSys.  **3-4.** U Kyaw Min, Director, Earth Renewable Energy Company  **3-5.** U Hnin K ThaYar, Managing Director, T & T Co. Ltd. | Mr. Russell Sturm, Head for Clean Energy and Resource Efficiency, International Finance Corporation |
| 16:00 | Coffee/Tea break |  |
| **Session #3: Private Sector Participation in Provision of Off-grid Electrification Services (Continued)** | | |
| 16:30 | **3-6.** U Aung Myint, General Secretary, REAM  **3-7**. U Khun Aung Myo, Shan State  **3-8**. U Sai Htun La, Owner, Sai Htun Hla & Brothers Company; Founder, Hydro Power Cooperative Limited, Shan State  **3-9**. U Zaw Min, Shan State  **3-10**. U Ye Neing, Kyaing Tone Power Company, Kyi Thein & Family Company, and Aye Thar Electrical Factory, Shan state  **3-11**. U Khin Myn Mung, Chaiman, FNDP (Pvt) Ltd, Falam, Chin state  **3-12**. U Soe Tint Aung, bio-gassifier private practitioner  **3-13**. U Hla Tun from Myint Mo Yadanar Mini-hydro Company | * Mr. Hongpeng Liu, Chief of Energy Security and Water Resources Section of United Nations Economic and Social Commission for Asia and the Pacific * U Aung Myint, General Secretary, REAM |
| **Session #4: Wrap-up of the Day** | | |
| 18:00 –18:15 | **4-1**. Summary of Discussions and Agenda for Next Day   * Mr. Russell Sturm, Head for Clean Energy and Resource Efficiency, International Finance Corporation * Dr. Xiaoping Wang, Senior Energy Specialist, The World Bank | |

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| **Thursday January 29, 2015** | | |
| **Hour** | **Session** | **Chair** |
| 08:15 | Opening remarks: H.E. U Tin Ngwe, Deputy Minister, MLFRD |  |
| **Session #5: What, How, How Much and By Whom for Myanmar** | | |
| 08:30 | **Setting the stage for the breakout sessions**  - financing  - policy, planning and regulation  - technical  -environmental and social (including battery recycling)  - institutional capacity  **5-1: Issues and options for scaling up off-grid solar**  Dr. Chris Greacen, World Bank Consultant  **5-2: Issues and options for scaling up off-grid solar**  Mr. Ajith Kumara, World Bank Consultant | U Khant Zaw, Deputy Chief Engineer, MLFRD |
| 9:30 | **5-3. Breakout sessions with facilitators and translators**  - The audience will be divided into groups focusing on solar, minihydro and mini-grid (using non-mini hydro technologies).  - Each group will tackle a list of issues from the preceding presentations.  (Coffee/Tea break included) | * U Khant Zaw, MLFRD * U Win Swe, MOEP * U Aung Myint, REAM |
| 12:15 | Lunch |  |
| 13:15 | **5-4. Report back from breakout sessions**  Dr. Xiaoping Wang, Senior Energy Specialist, The World Bank | |
| 14:45 | Coffee/Tea break |  |
|  | **Session #6: Development Partners’ Initiatives Supporting Off-grid Electrification** |  |
| 15:15 | **6-1. JICA** Mr. Yoshifumi Tokushige  **6-2. ADB** Choon-Sik Jung, Senior Energy Specialist  **6-3. KfW Development Bank**   * Ms. Carolyn Neufeld, Principal Project Manager, Energy Asia * Niraj Subedi, Energy Sector Specialist, Nepal Office   **6-4. International Finance Corporation (IFC)** Mr. Russell Sturm, Head for Clean Energy and Resource Efficiency  **6-5. United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)** Mr. Hongpeng Liu, Chief of Energy Security and Water Resources Section | U Myint Aung, Managing Director, ESE |
|  | **Session #7: Conclusions and Next Steps** |  |
| 16:15 – 16:30 | Summary of Discussions and Next Steps  U Khant Zaw, Deputy Chief Engineer, MLFRD | |